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# Synthesis and structure of copoly(amide Esters) based on cyclic carbonates and monofunctional isocyanates

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## Abstract

The anionic copolymerization of a series of cyclic carbonates with phenylisocyanate is investigated in the presence of sodium caprolactam. The structure of the obtained copolymers is established, and the mechanism of interaction is suggested. The effect of a substituent in cyclocarbonates on the yield of the resulting copolymeric product is shown. © 2011 Pleiades Publishing, Ltd.

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